

1           **CLAIMS**

2   What is claimed is:

3           1. A self-fastening wall cabinet storage kit having a  
4   bottom, top, left side, right side and front panel  
5   comprising:

6           a bottom panel for enclosing the bottom of said wall  
7   cabinet, said bottom panel having an upper surface, a lower  
8   surface, a left end, and a right end, said left end including  
9   a means of attaching said bottom panel to a left side panel  
10   in a perpendicular relationship, said right end including a  
11   means of attaching said bottom panel to a right side panel in  
12   a perpendicular relationship;

13           a top panel for enclosing the top of said wall cabinet,  
14   said top panel having an upper surface, a lower surface, a  
15   left end, and a right end, said left end including a means of  
16   attaching said top panel to a left side panel in a  
17   perpendicular relationship, said right end including a means  
18   of attaching said top panel to a right side panel in a  
19   perpendicular relationship;

20           a back panel for enclosing the back of said wall  
21   cabinet;

22           a left side panel for enclosing the left side of said  
23   wall cabinet, said left side panel including an inner surface  
24   and an outer surface, said inner surface including an

1 integrally molded track extending from a front portion of  
2 said panel to a rear portion of said panel along an upper  
3 portion thereof, said inner surface including a first  
4 attachment means for attaching said left side panel to said  
5 top panel in a perpendicular relationship, a second  
6 attachment means for attaching said left side panel to said  
7 bottom panel in a perpendicular relationship, and a third  
8 attachment means for attaching said left side panel to said  
9 back panel in a perpendicular relationship;

10 a right side panel for enclosing the right side of said  
11 wall cabinet, said right side panel including an inner  
12 surface and an outer surface, said inner surface including an  
13 integrally molded track extending from a front portion of  
14 said panel to a rear portion of said panel along an upper  
15 portion thereof, said inner surface including a first  
16 attachment means for attaching said right side panel to said  
17 top panel in a perpendicular relationship, a second  
18 attachment means for attaching said right side panel to said  
19 bottom panel in a perpendicular relationship, and a third  
20 attachment means for attaching said right side panel to said  
21 back panel in a perpendicular relationship;

22 a flipper door constructed and arranged for enclosing  
23 the front of said wall cabinet, said flipper door including  
24 an outer surface, an inner surface, a top edge, a bottom

1 edge, a left edge, and a right edge, said left edge and said  
2 right edge each including a pivot means defining an axis of  
3 rotation therebetween and extending outwardly from an upper  
4 portion thereof, wherein said left edge pivot means is  
5 constructed and arranged to cooperate with said left side  
6 panel track and said right edge pivot means is constructed  
7 and arranged to cooperate with said right side panel track,  
8 wherein said side panel tracks and said pivot means cooperate  
9 to allow a lower portion of said flipper door to rotate about  
10 said axis to an essentially horizontal position when in a  
11 forward most position and thereafter slide inwardly in a  
12 generally parallel and adjacent manner to said lower surface  
13 of said top panel along said left and said right track  
14 members to an essentially juxtaposed position beneath said  
15 top panel thereby providing ingress into said wall cabinet;  
16 wherein said wall cabinet can be shipped in a  
17 disassembled state and assembled on a desired site without a  
18 need for separate fasteners.

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20 2. The wall cabinet as described in claim 1, wherein  
21 said flipper door pivoting means includes a pair of D-shaped  
22 outwardly extending pin members, said D-shaped pin members  
23 including a flat side and a radiused side, wherein one of  
24 said D-shaped pin members is integrally formed onto an upper

1 portion of said left edge and one of said D-shaped pin  
2 members is integrally formed onto an upper portion of said  
3 right edge, wherein said D-shaped members cooperate with said  
4 left and said right track members to allow said flipper door  
5 to rotate only while said flipper door is in a forward most  
6 position and said D-shaped members operably engage said left  
7 and said right track members to prevent rotation of said  
8 flipper door while said flipper door is slid rearwardly into  
9 said wall cabinet assembly.

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11       3. The wall cabinet as described in claim 1 wherein said  
12 tracks integrally molded into the inner surfaces of said left  
13 and said right side panels are constructed and arranged to  
14 accept a D-shaped pin member which extends outwardly from  
15 each side of the upper portion of the left and right edges of  
16 the flipper door, wherein said left and said right track  
17 members cooperate with said D-shaped pin members to allow  
18 said flipper door to rotate only while said flipper door is  
19 in a forward most position and said left and said right track  
20 members are constructed and arranged to prevent rotation of  
21 said flipper door while said flipper door is slid rearward  
22 into said wall cabinet assembly.

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1           4. The wall cabinet as described in claim 3, wherein at  
2 least one of said tracks integrally formed into the inner  
3 surface of said left and said right side panels is  
4 constructed as an inwardly depending track, wherein said  
5 inwardly depending track has a generally circular front  
6 portion and two generally parallel rearwardly extending track  
7 portions terminating in a rear stop portion, wherein one of  
8 said rearwardly extending track portions is a lower track  
9 portion and one of said rearwardly extending track portions  
10 is an upper track portion, wherein said lower track portion  
11 extends rearwardly and tangentially from a lower quadrant of  
12 said circular portion.

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14           5. The wall cabinet as described in claim 4, wherein  
15 said track circular front portion is constructed and arranged  
16 to allow rotation of said cooperating D-shaped pin and said  
17 rearwardly extending track portions are constructed and  
18 arranged to allow linear translation of said cooperating D-  
19 shaped pin after said rotation of said flipper door, wherein  
20 said flat side of said cooperating D-shaped pin cooperates  
21 with said upper track portion and said radiused side of said  
22 D-shaped pin cooperates with said lower track portion to  
23 prevent rotation of said flipper door during said linear  
24 translation of said flipper door.

1           6. The wall cabinet as described in claim 1, wherein  
2 said bottom panel and said top panel have a like-  
3 construction.

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5           7. The wall cabinet as described in claim 6, wherein  
6 said means of attaching said like-constructed top and bottom  
7 panels to said left side panel and said right side panel  
8 includes a plurality of formed sockets arranged in a linear  
9 fashion along said left and right edges and extending  
10 inwardly between said top surface and said bottom surface,  
11 said formed sockets being constructed and arranged to  
12 cooperate with said left and right side panels, wherein said  
13 top and said bottom panels are secured to said left and said  
14 right side panels via said formed sockets.

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16           8. The wall cabinet as described in claim 7, wherein  
17 said upper surface and said lower surface of said like-  
18 constructed top and bottom panels include a groove extending  
19 between said left and said right ends and near a rear portion  
20 of said panels, said grooves constructed and arranged to  
21 cooperate with said back panel;

22           wherein said grooves increase structural integrity of  
23 said wall cabinet by inhibiting said back panel from bowing

1 or bending inwardly or outwardly, and wherein said back panel  
2 is secured within said wall cabinet assembly.

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4 9. The wall cabinet as described in claim 8, wherein at  
5 least one of said formed sockets include an aperture  
6 therethrough, wherein said aperture is constructed and  
7 arranged to cooperate with at least one spring-tab  
8 constructed and arranged for mating engagement on each of  
9 said left side panel and said right side panel.

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11 10. The wall cabinet as described in claim 1, wherein  
12 said bottom surface of said bottom panel includes integrally  
13 formed cross-bracing, wherein said cross-bracing provides  
14 increased weight capacity and stability to said wall cabinet  
15 assembly.

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17 11. The wall cabinet as described in claim 1, wherein  
18 said first attachment means for attaching said left side  
19 panel to said top panel includes a plurality of locking  
20 posts, and said second attachment means for attaching said  
21 left side panel to said bottom panel includes a plurality of  
22 locking posts, wherein said locking posts are brought into an  
23 coupling engagement with corresponding formed sockets in said

1 top panel and said bottom panel resulting in a mechanically  
2 secure connection between said left, top, and bottom panels.

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4 12. The wall cabinet as described in claim 11 wherein  
5 said left side panel locking posts include at least one  
6 integrally formed spring-tab, wherein said at least one  
7 spring-tab is constructed and arranged to cooperate with said  
8 formed sockets for positively maintaining secure coupling  
9 engagement between said left, top, and bottom panels.

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11 13. The wall cabinet as described in claim 1, wherein  
12 said first attachment means for attaching said right side  
13 panel to said top panel includes a plurality of locking  
14 posts, and said second attachment means for attaching said  
15 right side panel to said bottom panel includes a plurality of  
16 locking posts, wherein said locking posts are brought into  
17 coupling engagement with corresponding sockets in said top  
18 panel and said bottom panel resulting in a mechanically  
19 secure connection between said right, top and bottom panels.

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21 14. The wall cabinet as described in claim 13 wherein  
22 said right side panel locking posts include at least one  
23 integrally formed spring-tab, wherein said at least one  
24 spring-tab is constructed and arranged to cooperate with said



1 formed sockets for positively maintaining secure coupling  
2 engagment between said right, top, and bottom panels.

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4 15. The wall cabinet as described in claim 1 wherein  
5 said flipper door includes a latch means constructed and  
6 arranged for releasably securing said flipper door to said  
7 left and said right side panels;

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9 16. The wall cabinet as described in claim 15 wherein  
10 said latch means includes at least one spring-lock integrally  
11 formed into a lower portion of said left and said right edges  
12 of said flipper door, said at least one spring lock  
13 constructed and arranged to cooperate with a catch plate  
14 depending from a front portion of said left and said right  
15 side panels for releasably securing said flipper door.

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